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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army	ustification:	PB 2012 Ar	my em						DATE: February 2011	uary 2011	
APPROPRIATION/BUDGET ACTIVITY	TY			R-1 ITEM N	R-1 ITEM NOMENCLATURE	URE	W. Salahara				
2040: Research, Development, Test & Evaluation, Army BA 3: Advanced Technology Development (ATD)	& Evaluation pment (ATD)	ı, Army		PE 0603710	PE 0603710A: NIGHT VISION		ADVANCED TECHNOLOGY	HNOLOGY			
COST (e :- NIIII)			FY 2012	FY 2012	FY 2012					Cost To	
COST (\$ III MINIOUS)	FY 2010	FY 2011	Base	000	Total	FY 2013	FY 2014 FY 2015 FY 2016 Complete Total Cost	FY 2015	FY 2016	Complete	Total Cost
Total Program Element	81.157	39.912	42.414		42.414	40.727	41.523	42.933	43.410	43.410 Continuing Continuing	Continuing
K70: NIGHT VISION ADV TECH	33.855	24.491	25.767		25.767	24.076	25.257	25.375	25.517	25.517 Continuing Continuing	Continuing
K73: NIGHT VISION SENSOR DEMONSTRATIONS (CA)	32.132			1	1	,	1	,	1	Continuing Continuing	Continuing
K86: NIGHT VISION, ABN SYS	15.170	15.421	16.647		16.647	16.651	16.266	17.558	17.893	17.893 Continuing Continuing	Continuing
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM											

Note

FY10 funding increase for higher priority efforts.

FY12 funding increase for Sensor Fusion Technology demos.

A. Mission Description and Budget Item Justification

situational awareness imagery to multiple pilots/crew members independently for enhanced crew/aircraft operations in day/night/adverse weather conditions (project and algorithms designed to detect targets (vehicles and personnel) in camouflage, concealment and deception from airborne platforms, and provides pilotage and acquire and engage targets at longer ranges in complex environments and operational conditions (e.g. day/night, obscured, smoke, adverse weather). This PE passive long range target identification (ID beyond threat detection) in both an air and ground test-beds (project K70). This PE also matures and evaluates sensors pursues technologies that improve the Soldier's ability to see at night, provide rapid wide area search, multispectral aided target detection (AiTD), and enable K86). Project K73 funds congressional special interest items. This program element (PE) matures and demonstrates sensor technologies that increase Warfighter survivability and lethality by providing sensor capabilities to

Technology Master Plan. The cited work is consistent with the Director, Defense Research and Engineering Strategic Plan, the Army Modernization Strategy, and the Army Science and

Work in this PE is fully coordinated with efforts in PE 0602709A (Night Vision and Electro-Optics Technology), PE 0602712A (Countermine Systems), PE 0602270A Automotive Advanced Technology). 0603774A (Night Vision Systems Advanced Development), PE 0604710A (Night Vision Systems Engineering Development) and PE 0603005A (Combat Vehicle and (Electronic Warfare Technology), PE 0602120A (Sensors and Electronic Survivability), PE 0603606A (Landmine Warfare and Barrier Advanced Technology), PE

Work in this PE is performed by the Army Research, Development, and Engineering Command (RDECOM)/Communications-Electronics Research, Development, and Engineering Center (CERDEC) /Night Vision and Electronic Sensors Directorate (NVESD), Fort Belvoir, VA.

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